



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/798,295

03/12/2004

Thomas P. Yang

Y035 0001

6454

7590

06/07/2006

David J. McGruder
OYEN WIGGS GREEN & MUTALA
#480 - 601 West Cordova Street
Vancouver, BC V6B 1G1
CANADA

EXAMINER

WU, IVES J

ART UNIT

PAPER NUMBER

1713

DATE MAILED: 06/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/798,295

Applicant(s)

YANG, THOMAS P.

Examiner

Ives Wu

Art Unit

1713

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 April 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

- (1). Applicant's Remarks filed on April 11, 2006 has been received and acknowledged.

However, the rejections of claims 1-18 in the prior Office Action dated January 6, 2006 is sustained.

Claim Rejections - 35 USC § 102

- (2). The text of those Section Title 35 U. S. Code not included in this Office Action can be found in the prior Office Action dated January 6, 2006.

- (3). **Claims 1-7, 10-11 and 13-18** are rejected under 35 U.S.C. 102(b) as being anticipated by Anderson et al (US005096975A) for the same rationale recited in the prior Office Action dated January 6, 2006.

Claim Rejections - 35 USC § 103

- (4). The text of those Section Title 35 U. S. Code not included in this Office Action can be found in the prior Office Action dated January 6, 2006.

- (5). **Claims 8, 9 and 12** are rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson et al (US005096975A) in view of Misumi et al (US003833457) and Beaulieu (US003677979) for the same rationale recited in the prior Office Action dated January 6, 2006.

- (6). **Claims 1-18** are rejected under 35 U.S.C. 103(a) as being unpatentable over Kochvar et al (US20020161088A1) in view of Misumi et al (US003833457) and Anderson et al (US005096975A), Joseph et al (US003677979) for the same rationale recited in the prior Office Action dated January 6, 2006.

Response to Arguments

Applicant's arguments filed on April 11, 2006 have been fully considered but they are not persuasive.

Applicant concludes the coating of the prior art reference Anderson et al (US005096975A) is not water soluble based on the Example 3. The sample is tested for the adhesion of the gelatin layer in Example 3 (Col. 5, line 29-30). The allegation is not well taken because in Example 3, the coated film is for adhesion test to test the binding between the coated film and substrate. The application of the prior art is that once the coated film is bonded with substrate, it is not water separable. As matter of fact, in Col. 2, line 48-50, line 67-68, Anderson

Art Unit: 1713

et al recites such as: "In the preparation of the water soluble electrically conductive addition polymer..", "In the preparation of the water soluble electrically conductive polymer," , it meets the water-soluble definition on page 6, paragraph [0020] in applicant's Specification. As to the 103 Rejection concerning the insoluble, infusible coating of polymer containing free sulfonic acid groups and salts disclosed by Misumi et al (US003833457). Misumi et al (US003833457) describe the phenomena in a clear way by citing: the coatings of the polymer having sulfonic acid groups and/or salts thereof are crosslinked to form insoluble and infusible three-dimensional networks, and the coating tightly adhered onto the surface of conventional polymeric substrates. Accordingly, the surface characteristics of the polymeric complex composite site are enhanced due to **hydrophilic groups** contained in the three-dimensional polymers forming coatings. The polymeric complex composite is improved in such properties as **surface diffusibility of water**, water absorption property or the like (Col. 1, line 53-68). In other words, the film or coating by itself is hydrophilic. Then it is water soluble if the application of Misumi et al is not for coating because coating is concerned with the binding strength with substrates.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ives Wu whose telephone number is 571-272-4245. The examiner can normally be reached on 8:00 - 5:00.

Art Unit: 1713

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Examiner: Ives Wu

Art Unit: 1713

Date: June 3, 2006



DAVID W. WU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700